

UNITED STATES MARINE CORPS  
Logistics Operations School  
Marine Corps Combat Service Support Schools  
Training Command  
PSC Box 20041  
Camp Lejeune, North Carolina 28542-0041

LVSM 7101

**STUDENT OUTLINE**

**INTRODUCTION TO THE LVS INSTRUCTIONAL MODULE**

**LEARNING OBJECTIVES:** Learning objectives are not specified for this lesson; however, lesson content provides the following:

1. The purpose, scope, and broad objectives of the course.
2. The titles, sequence of presentation, scope, and specific objectives of each lesson included in the course.
3. School policies associated with testing and grading, remedial and supplemental instruction, and the requirements for successful completion of the course.
4. Section policies pertaining to safety, fire prevention, fire fighting, tool issue/recovery, repair parts issue, rest breaks, smoking regulations.

**OUTLINE**

1. **INTRODUCTION OF INSTRUCTORS:** First, I would like to introduce each instructor who will be involved with the conduct of instruction in the course.

2. **PURPOSE, SCOPE, AND BROAD OBJECTIVES OF THE LVS MAINTENANCE COURSE**

a. Purpose. The LVS Maintenance Course is dedicated entirely to the provision of training on organizational and selected third echelon maintenance procedures that apply to the LVS.

b. Scope. The course consists of a series of lessons that, in the main, concentrate on the major systems featured in the LVS. Basically, those lessons are designed to describe the purpose and composition of the vehicle's various systems, explain the organizational maintenance mechanic's responsibilities relative to those systems, and to teach you to perform the

maintenance functions on those systems that are required to be accomplished at the second and third echelon maintenance level.

c. Broad Objectives. The broad objectives of this maintenance course are to impart the knowledge and develop the functional skills to enable you to effectively perform the duties of an organizational automotive mechanic as they relate to the LVS.

### **3. LESSONS INCLUDED IN THE LVS MAINTENANCE COURSE**

a. A total of twenty-two lessons after this introduction are included in the course to impart the knowledge and develop the skills that you will need to effectively maintain the LVS. Time will also be provided to accommodate the inventory and issue of tools, training aid maintenance, and tool recovery.

b. The first lesson is entitled "LVS Technical Publications and Special Tools." This lesson is designed to ensure that you have the required knowledge of the manuals and special tools that are available and required to support maintenance of the LVS.

c. The next three lessons will provide you time for operations and first echelon maintenance relative to organizational maintenance responsibilities.

d. Lessons five, six, and seven cover organizational maintenance procedures relative to the 8V92TA diesel engine, air induction and exhaust systems and cooling system.

e. The next three lessons are dedicated to the LVS electrical system, to include the MK17 crane and the MK18 ribbon bridge/container hauler.

f. Lessons eleven and twelve deal with preparation and diagnostic testing with STE/ICE-R and the 8V92TA fuel system.

g. The next three lessons cover the vehicle's power transmission and drive train systems.

h. Lessons sixteen and seventeen deal with the LVS compressed air brake system and brake mechanism and axle assembly.

i. The last five lessons in the LVS Maintenance Course are dedicated to the steering and hydraulic systems and simulation training.

j. We will conclude training by conducting training aid maintenance, the return of the tools you were issued and an overall critique of the training within the course.

#### **4. SCHOOL POLICIES ASSOCIATED WITH ADMINISTRATION OF THE LVS MAINTENANCE COURSE**

a. Learning Objectives. You will be given the opportunity to read and, if desired, discuss the learning objectives for the individual lessons included in the course at the time each lesson is presented.

b. Concept of Training

(1) For ease of understanding, most instruction you will receive in this course will be systems oriented. For example, the fuel system, the cooling system, and electrical system are each taught as individual lessons.

(2) A lecture introduces you to the composition of the system or systems covered by each lesson, how the system or systems work, and explains the maintenance functions that are accomplished on the system or systems at the organizational and third echelon maintenance level.

(3) Most lectures are followed by a practical application exercise and performance test that enable you to practice and demonstrate your ability to perform the procedures that have been explained in the lecture portion of the lesson.

c. Testing and Grading Procedures

(1) Written post tests are included in most lessons as part of the mastery learning evaluation procedure. Following their administration, post tests will be collected and critiqued.

(2) All lessons that include practical application training will also include a performance test. Performance tests are designed to determine your ability to correctly perform the maintenance functions that are covered by the lesson. Performance tests are administered concurrently with practical application exercises, and are used to determine mastery of the functions that were performed. You must demonstrate mastery to successfully complete the lesson and the course.

(3) You will receive two separate grades as the result of all of the performance tests you will take in this course. After each individual performance test, entries will be made on your Scan-Tron answer sheet to indicate mastery/non-mastery as appropriate. On the seventh training day, your Scan-Tron sheet will be turned in to testing indicating your performance test results up to that point. A grade will be assigned that will become a part of your GPA. The same procedure will be used for all the performance tests you take after the seventh day of training and up to course completion. Again, your second Scan-Tron sheet will be graded for posting to your GPA.

Results of post tests administered throughout the course will also be recorded on a Scan-Tron sheet as you progress through the course. They will be graded after the last post test is taken. As a result, your class standing and GPA will be determined from the results of all tests, performance, and post, taken during the course.

d. Student Responsibilities

(1) It is your responsibility to attend class and be ready to learn what is being taught.

(2) Unless you receive other instructions, classes will convene at fifteen minutes past the hour, commencing at 0715 in the morning. If your class is scheduled for classroom instruction, you are required to be seated at your desk before the scheduled convening time for the period of instruction. If your class is scheduled for practical application training, you are required to be in position in front of your assigned vehicle at the time training is scheduled to begin.

(3) Have a pencil and paper for taking notes at all times.

e. Remedial and Supplemental Instruction

(1) If it is determined that you are having difficulty grasping the instructional material, you will be directed to participate in remedial instruction.

(2) If you think you need help with a particular subject, you are invited to attend supplemental training sessions.

(3) Remedial and supplemental training can be conducted as required in building M107 from 1800-2000 on each weekday except Thursday.

f. Instructional Rating Forms and Critique Sheets

(1) At the beginning of each lesson, the instructor will select a number of students to fill out an instructional rating form to evaluate that period of instruction. The form covers such areas as learning objectives, effectiveness of the media used, method of evaluation used, and method that the material was presented. Your honest evaluation is encouraged so that each lesson might be presented in the most effective manner. Each student that so desires may fill out one of these forms.

(2) At selected times during the course, each student will be afforded the opportunity to fill out a critique sheet wherein the student may evaluate the instructor, course material, and training facilities. At the

completion of the course, you will be asked to fill out an end of course evaluation, giving us your opinion on the entire course. Again, you are asked to be honest, fair and detailed in your evaluation.

g. Feedback. No training effort would be complete unless its effect was measured. This is accomplished by using post graduation feedback reports. About six weeks after successful completion of the course, you the graduate and your supervisor will receive a post graduation feedback report. This evaluation provides a medium for you and your supervisor to assess the responsiveness of training provided by the Automotive Intermediate Maintenance Course. The information will be considered with feedback data received from other graduates and supervisors to validate the program of instruction and to identify requirements for curriculum improvements. This information will materially aid the Logistics Operations School in its continuing efforts to conduct the highest quality training possible.

#### **5. SECTION POLICIES PERTAINING TO SAFETY, FIRE PREVENTION, FIRE FIGHTING, TOOLS ISSUE/RECOVERY, REPAIR PARTS ISSUE, REST BREAKS, AND SMOKING REGULATIONS**

##### **a. Shop Safety**

(1) Oil, grease, or loose tools on the floor create hazards which may result in fire, personal injury, or damage to equipment. Any observed condition that could represent a potential safety hazard will be corrected or reported to your instructor immediately.

(2) To prevent personal injury, watches, rings, or other jewelry will not be worn during periods of practical application. If you wear a wedding ring and you feel strongly about removing it, you may leave it on, provided that you cover it with electrical tape.

(3) Dog tags or religious medals will be inside your shirt at all times; no other jewelry is permitted on the shop floor.

(4) Smoking inside the shop is prohibited. Smoke only in designated areas.

(5) Horseplay is prohibited. For example, there will be no:

(a) pushing or shoving,

(b) popping shop rags,

(c) throwing tools or other objects, or

(d) running in the shop.

b. Fire and Fire Fighting

(1) There are four fire stations located in the practical application laboratory. Two students will be assigned to each station. Assignments will be made during the break after this lesson.

(2) In the event of a fire or a fire drill, students will leave the building through the nearest fire exit or bay door. If you are the last person to leave that exit or bay door, close the door behind you.

(3) The class leader will muster the class in front of building M107 and wait for instructions.

(4) Personnel assigned to a fire station will man their station and standby for instructions.

c. Tool Issue/Recovery. After a tool box has been assigned, you will inventory its contents using an inventory form provided by the instructor. After inventory of the tools, you will be responsible for them until they are recovered at the end of this course.

d. Repair Parts Issue. When inspecting components and you have determined the parts are unserviceable, give them to your instructor for exchange.

e. Policy Concerning Breaks

(1) During classroom instruction, there will be a ten minute break starting at five minutes after the hour.

(2) On the practical application floor, you will have a ten minute break sometime during each scheduled hour, depending on your progress.

(3) Use your break time to prepare yourself for the next period of instruction.

f. Health and Comfort Facilities

(1) Male and female heads are located in the lounge located outside this classroom.

(2) Soda and snack machines are also located in the lounge outside this classroom and a courtyard is available to you. You are authorized to patronize them on your scheduled breaks.

## 6. SHOP TOUR, TOOL ISSUE, AND INVENTORY

- a. Conduct Tour of Shop Area and Brief
- b. Tool Issue and Inventory

### REFERENCES:

Program of Instruction, Logistics Vehicle System (LVS) Maintenance Course  
ScolsO P5000.1L